

ABSTRACT

THERMOPLASTIC-POLYMER- AND POLYOLEFIN-BASED FLEXIBLE PIPES FOR THE OPERATION OF OIL OR GAS FIELDS

Company called: ATOFINA

Inventor: Michael WERTH

The present invention relates to offshore flexible pipes in which the sealing layers comprise, in this order:

- an inner layer formed from at least one thermoplastic polymer (A);
- optionally, a coextrusion tie layer; and
- a polyolefin layer.

According to another embodiment of the invention, the sealing layers comprise, in this order:

- an inner layer formed from at least one thermoplastic polymer (A);
- optionally, a coextrusion tie layer;
- a polyolefin layer;
- optionally, a coextrusion tie layer;
- an outer layer formed from at least one thermoplastic polymer (B).

The invention also relates to flexible pipes comprising these sealing layers.

The invention also relates to the use of these flexible pipes for transporting fluids in offshore oil and gas extraction fields.